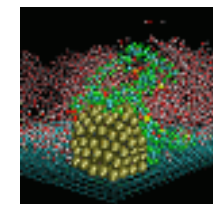
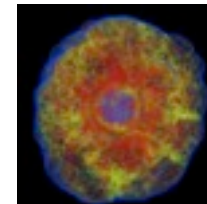
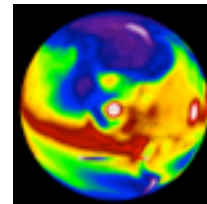
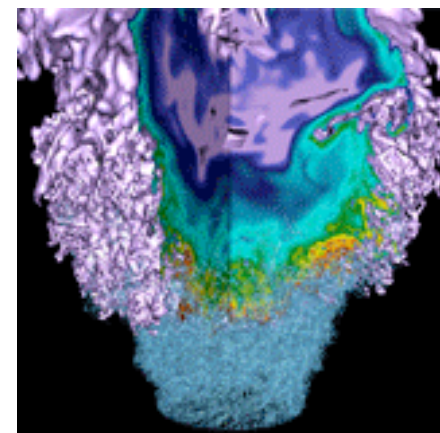


Using NX to Accelerate X

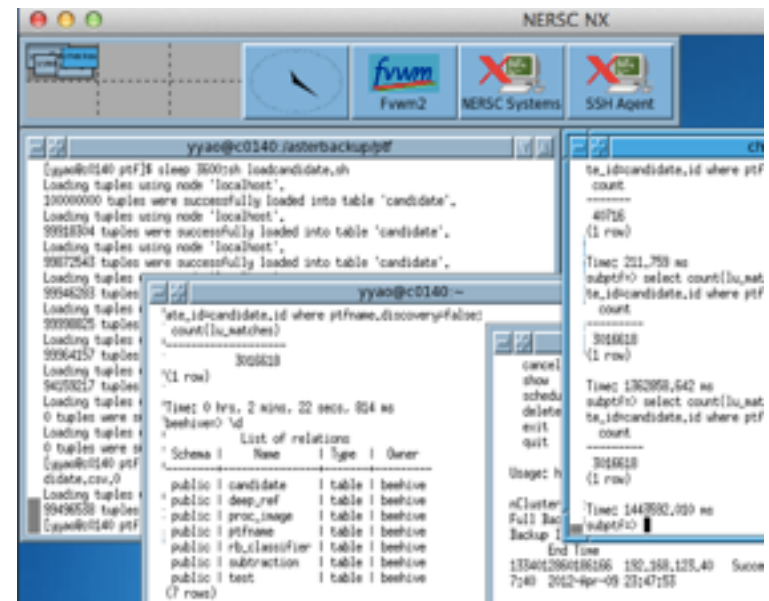


Yushu Yao

- **X-Windows let you run graphical user programs (e.g. Emacs, Matlab) on NERSC Machines**
- **We suggest you to use NX for much better X-Windows experience**

Desktop:

- **The Pain:** I'm used to start my workflow on my windows machine and let it run for a week, where is my desktop now?
- **Solution:** NX gives you a desktop, so you can connect to NERSC resources (such as genepool) and start your GUI applications.



Sessions:

- **The Pain:** If I lose internet connection, I might lose all running processes.
- **Solution:** NX provide sessions. I can suspend the session without terminating the running processes. And get back to the same point when reconnected, even from a different location or computer.





Speed:

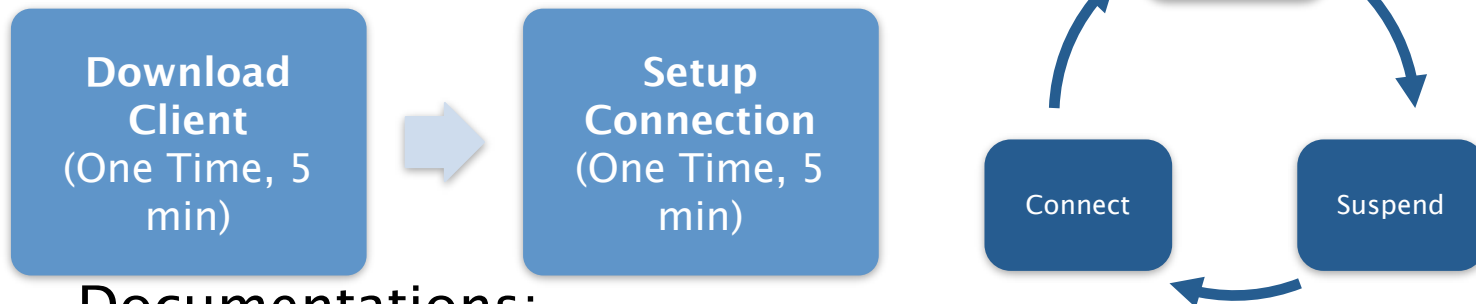
- **The Pain:** X-Windows is slow over network. Tried starting emacs with a slow network connection? It might take minutes to get the window open.
- **Solution:** NX Buffers/Compresses X messages, giving much better X experience



What you need for NX

- Any Desktop/Laptop
 - Windows/Linux/Mac
- NX Client Software (Free)

• 10 Minute Start-up Guide



Documentations:

Go to www.nersc.gov, search for “NX”





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